

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal621sxa

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Jan 25 BLAST(R) searching in REGISTRY available in STN on the Web
NEWS 3 Jan 29 FSTA has been reloaded and moves to weekly updates
NEWS 4 Feb 01 DKILIT now produced by FIZ Karlsruhe and has a new update frequency
NEWS 5 Feb 19 Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS 6 Mar 08 Gene Names now available in BIOSIS
NEWS 7 Mar 22 TOXLIT no longer available
NEWS 8 Mar 22 TRCTHERMO no longer available
NEWS 9 Mar 28 US Provisional Priorities searched with P in CA/CAPLUS and USPATFULL
NEWS 10 Mar 28 LIPINSKI/CALC added for property searching in REGISTRY
NEWS 11 Apr 02 PAPERCHEM no longer available on STN. Use PAPERCHEM2 instead.
NEWS 12 Apr 08 "Ask CAS" for self-help around the clock
NEWS 13 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 14 Apr 09 ZDB will be removed from STN
NEWS 15 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 16 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 17 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 18 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 19 May 31 PCTFULL to be reloaded. File temporarily unavailable.
NEWS 20 Jun 03 New e-mail delivery for search results now available

NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 07:58:57 ON 10 JUN 2002

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

FULL ESTIMATED COST

	ENTRY	SESSION
	0.21	0.21

FILE 'REGISTRY' ENTERED AT 07:59:09 ON 10 JUN 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 7 JUN 2002 HIGHEST RN 427375-75-5
DICTIONARY FILE UPDATES: 7 JUN 2002 HIGHEST RN 427375-75-5

TSCA INFORMATION NOW CURRENT THROUGH January 7, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

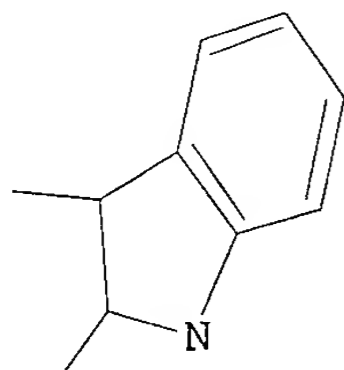
Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>
Uploading 10054462.str

L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 11
SAMPLE SEARCH INITIATED 07:59:23 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 8042 TO ITERATE

12.4% PROCESSED 1000 ITERATIONS 25 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 155471 TO 166209
PROJECTED ANSWERS: 3171 TO 4871

L2 25 SEA SSS SAM L1

=> s 11 full
FULL SEARCH INITIATED 07:59:27 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 160041 TO ITERATE

100.0% PROCESSED 160041 ITERATIONS 3411 ANSWERS

SEARCH TIME: 00.00.02

L3 3411 SEA SSS FUL L1

=>

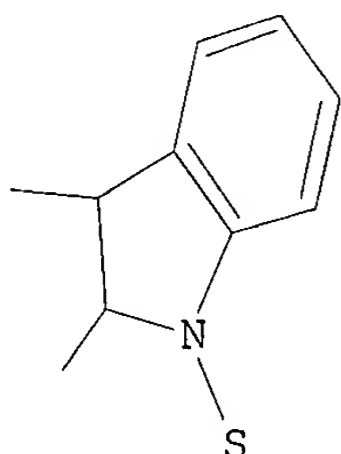
Uploading 10054462.str

L4 STRUCTURE UPLOADED

=> d

L4 HAS NO ANSWERS

L4 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l4 subset=l3 full

FULL SUBSET SEARCH INITIATED 08:00:34 FILE 'REGISTRY'

FULL SUBSET SCREEN SEARCH COMPLETED - 366 TO ITERATE

100.0% PROCESSED 366 ITERATIONS

362 ANSWERS

SEARCH TIME: 00.00.01

L5 362 SEA SUB=L3 SSS FUL L4

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

174.09

174.30

FILE 'CAPLUS' ENTERED AT 08:00:39 ON 10 JUN 2002

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 10 Jun 2002 VOL 136 ISS 24

FILE LAST UPDATED: 7 Jun 2002 (20020607/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For

information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s 15

L6 68 L5

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.40

174.70

FILE 'REGISTRY' ENTERED AT 08:01:18 ON 10 JUN 2002

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 7 JUN 2002 HIGHEST RN 427375-75-5

DICTIONARY FILE UPDATES: 7 JUN 2002 HIGHEST RN 427375-75-5

TSCA INFORMATION NOW CURRENT THROUGH January 7, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS

Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

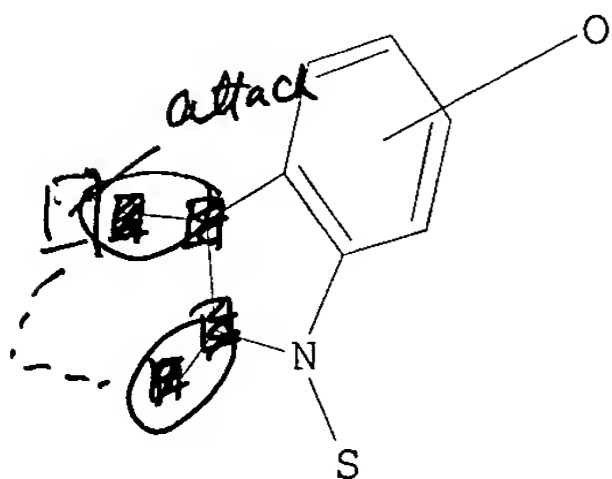
Uploading 10054462.str

L7 STRUCTURE UPLOADED

=> d

L7 HAS NO ANSWERS

L7 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 17 subset=15 full

FULL SUBSET SEARCH INITIATED 08:01:44 FILE 'REGISTRY'

FULL SUBSET SCREEN SEARCH COMPLETED - 362 TO ITERATE

100.0% PROCESSED 362 ITERATIONS

24 ANSWERS

SEARCH TIME: 00.00.01

L8 24 SEA SUB=L5 SSS FUL L7

=> fil caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	33.43	208.13

FILE 'CAPLUS' ENTERED AT 08:01:47 ON 10 JUN 2002
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 10 Jun 2002 VOL 136 ISS 24
 FILE LAST UPDATED: 7 Jun 2002 (20020607/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s l8
 L9 8 L8

=> d ibib abs hitstr 1-8

L9 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1999:508419 CAPLUS
DOCUMENT NUMBER: 131:243140
TITLE: Novel one-pot preparation of 5-methoxylated indoline and indole derivatives using a hypervalent

iodine(III)

reagent
AUTHOR(S): Tohma, Hirofumi; Watanabe, Hiroaki; Takizawa, Shinobu;
CORPORATE SOURCE: Maegawa, Tomohiro; Kita, Yasuyuki
Graduate School of Pharmaceutical Sciences, Osaka University, Suita, 565-0871, Japan
SOURCE: Heterocycles (1999), 51(8), 1785-1788
CODEN: HTCYAM; ISSN: 0385-5414
PUBLISHER: Japan Institute of Heterocyclic Chemistry
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 131:243140

AB A novel and efficient one-pot prepn. of 5-methoxy-1-tosylindolines and -indoles from N-tosyl-p-anisidines and activated olefins using phenyliodine(III) bis(trifluoroacetate) is described.

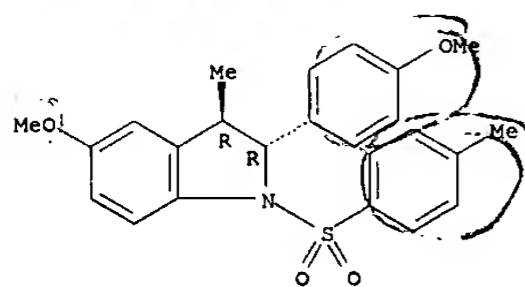
IT 244277-82-5P

RL: SPN (Synthetic preparation); PREP (Preparation)
(one-pot prepn. of 5-methoxylated indoline and indole derivs. using hypervalent iodine(III) reagent)

RN 244277-82-5 CAPLUS

CN 1H-Indole, 2,3-dihydro-5-methoxy-2-(4-methoxyphenyl)-3-methyl-1-[(4-methylphenyl)sulfonyl]-, (2R,3R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



X graphic info

REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS

FORMAT

RECORD. ALL CITATIONS AVAILABLE IN THE RE

L9 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1996:734064 CAPLUS
DOCUMENT NUMBER: 126:59793
TITLE: Lewis Acid-Controlled Regioselectivity in Reactions of

Styrenyl Systems with Benzoquinone Monoimides: New Regioselective Syntheses of Substituted 2-Aryl-2,3-dihydrobenzofurans, 2-Aryl-2,3-dihydroindoles, and 2-Arylindoles
AUTHOR(S): Engler, Thomas A.; Chai, Wenying; LaTessa, Kenneth O.
CORPORATE SOURCE: Department of Chemistry, University of Kansas, Lawrence, KS, 66045, USA

SOURCE: J. Org. Chem. (1996), 61(26), 9297-9308

CODEN: JOCEAH; ISSN: 0022-3263

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 126:59793

AB Reactions of 4-(N-phenylsulfonyl)-2-alkoxy-1,4-benzoquinone monoimines with electron-rich propenylbenzenes promoted by BF₃ yield 7-alkoxy-2-aryl-3-methyl-5-[(N-phenylsulfonyl)amino]-2,3-dihydrobenzofurans nearly exclusively, whereas promotion of the reactions by Ti⁴⁺ gives mixts. of the dihydrobenzofurans and their N-(phenylsulfonyl)-6-alkoxy-2-aryl-5-hydroxy-3-methyl-2,3-dihydroindole isomers, depending upon substituents present on the propenylbenzene. However, reactions promoted with excess Ti⁴⁺, as mixts. of TiCl₄:Ti(OiPr)₄, give the dihydroindoles as nearly the exclusive products.

Evidence for a mechanism involving initial 5 + 2 cycloaddn. of the Lewis acid-bound quinone monoimide with the propenylbenzene is found in reactions of RC₆H₄CH:CHMe [R = H, Me] with

3-benzyloxy-N-phenylsulfonyl-p-

benzoquinone monoimide in which

7-aryl-3-hydroxy-6-methylbicyclo[3.2.1]oct-

3-ene-2,8-diones (5 + 2 adducts) are isolated. These reactions have been applied to stereoselective syntheses of pterocarpanes bearing N-phenylsulfonyl groups, azapterocarpanes and diazapterocarpanes. In

addn., DDQ oxidn. of derivs. of several of the 2-aryl-2,3-dihydroindoles afford the corresponding 2-arylindoles in good yield. Finally, the exptl. details of a general synthetic approach to 7-alkoxy-benzofuranoid neolignans, including (+)-licarin B and eupomatenoide-1 and -12 are reported.

IT 185146-01-4P 185146-02-5P 185146-11-6P

185146-12-7P

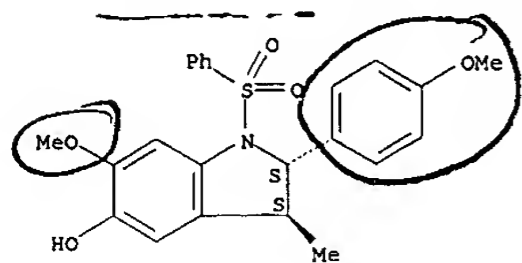
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(Lewis acid-controlled regioselectivity in reactions of styrenes with benzoquinone monoimides)

RN 185146-01-4 CAPLUS

CN 1H-Indol-5-ol, 2-(3,4-dimethoxyphenyl)-2,3-dihydro-6-methoxy-3-methyl-1-(phenylsulfonyl)-, trans- (9CI) (CA INDEX NAME)

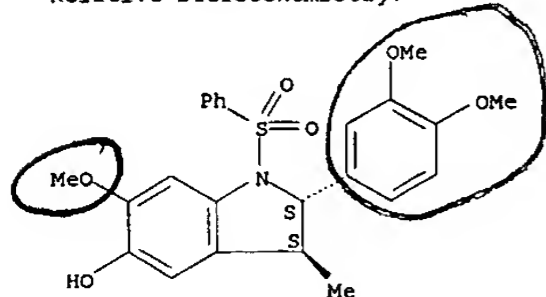
Relative stereochemistry.

L9 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2002 ACS (Continued)



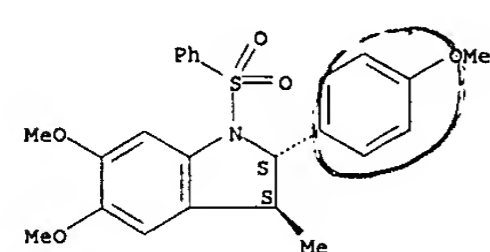
RN 185146-02-5 CAPLUS
CN 1H-Indol-5-ol, 2-(3,4-dimethoxyphenyl)-2,3-dihydro-6-methoxy-3-methyl-1-(phenylsulfonyl)-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 185146-11-6 CAPLUS
CN 1H-Indole, 2,3-dihydro-5,6-dimethoxy-2-(4-methoxyphenyl)-3-methyl-1-(phenylsulfonyl)-, trans- (9CI) (CA INDEX NAME)

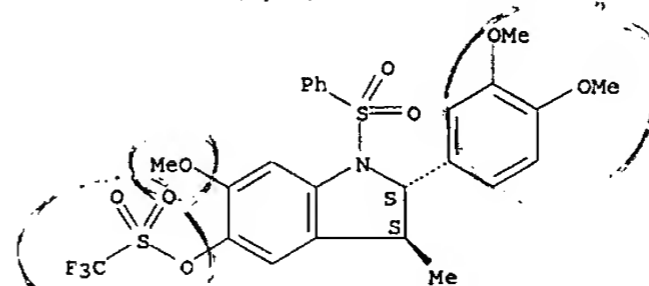
Relative stereochemistry.



RN 185146-12-7 CAPLUS
CN Methanesulfonic acid, trifluoro-, 2-(3,4-dimethoxyphenyl)-2,3-dihydro-6-methoxy-3-methyl-1-(phenylsulfonyl)-1H-indol-5-yl ester, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L9 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2002 ACS (Continued)



IT 172091-31-5P 172091-33-7P 172091-34-8P

172091-35-9P 172091-36-0P 172091-37-1P

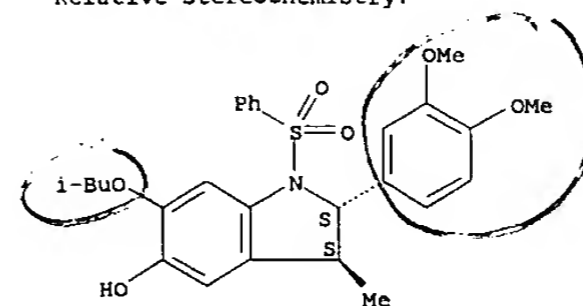
185146-03-6P 185146-04-7P

RL: SPN (Synthetic preparation); PREP (Preparation)
(Lewis acid-controlled regioselectivity in reactions of styrenes with benzoquinone monoimides)

RN 172091-31-5 CAPLUS

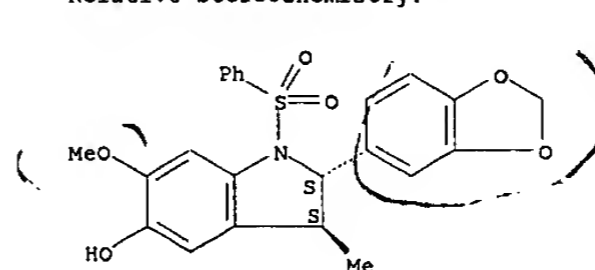
CN 1H-Indol-5-ol, 2-(3,4-dimethoxyphenyl)-2,3-dihydro-3-methyl-6-(2-methylpropoxy)-1-(phenylsulfonyl)-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



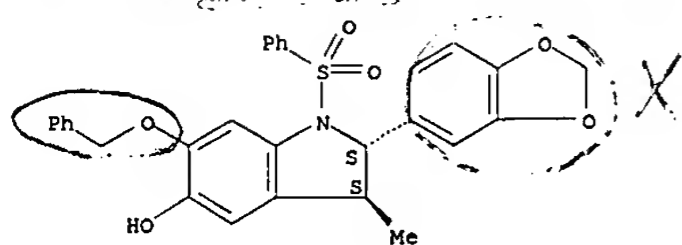
RN 172091-33-7 CAPLUS
CN 1H-Indol-5-ol, 2-(1,3-benzodioxol-5-yl)-2,3-dihydro-6-methoxy-3-methyl-1-(phenylsulfonyl)-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



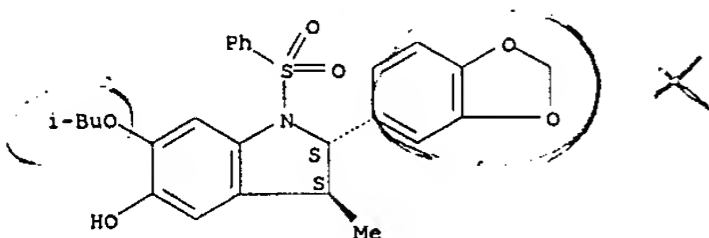
RN 172091-34-8 CAPLUS
CN 1H-Indol-5-ol, 2-(1,3-benzodioxol-5-yl)-2,3-dihydro-3-methyl-6-(phenylmethoxy)-1-(phenylsulfonyl)-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



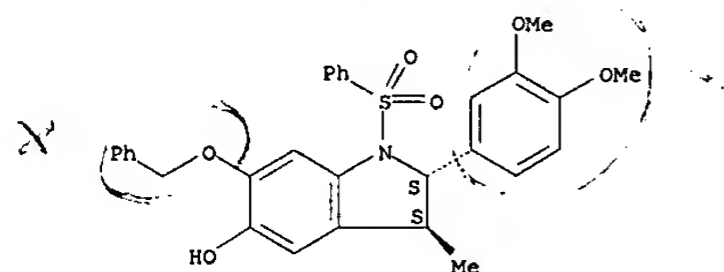
RN 172091-35-9 CAPLUS
CN 1H-Indol-5-ol, 2-(1,3-benzodioxol-5-yl)-2,3-dihydro-3-methyl-6-(2-methylpropoxy)-1-(phenylsulfonyl)-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 172091-36-0 CAPLUS
CN 1H-Indol-5-ol, 2-(3,4-dimethoxyphenyl)-2,3-dihydro-3-methyl-6-(phenylmethoxy)-1-(phenylsulfonyl)-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

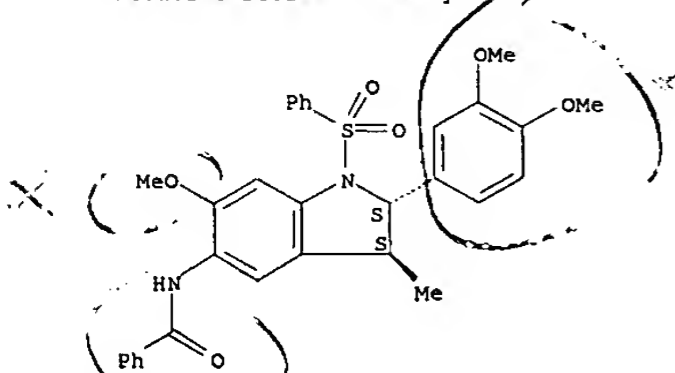


RN 172091-37-1 CAPLUS
CN 1H-Indol-5-ol, 2-(3,4-dimethoxyphenyl)-2,3-dihydro-6-methoxy-3-methyl-2-phenyl-1-(phenylsulfonyl)-, trans- (9CI) (CA INDEX NAME)

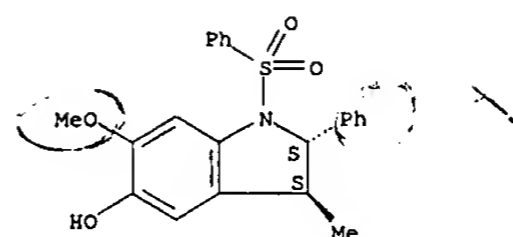
Relative stereochemistry.

L9 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1996:674408 CAPLUS
DOCUMENT NUMBER: 126:7456
TITLE: Lewis Acid-Promoted Reactions of Styrenyl Systems
with Benzoquinone Bisimines: New Regioselective Syntheses of Substituted 2-Aryl-2,3-dihydroindoles and 2-Arylindoles
AUTHOR(S): Engler, Thomas A.; Meduna, Steven P.; LaTessa, Kenneth
CORPORATE SOURCE: O.; Chai, Wenying
Department of Chemistry, University of Kansas, Lawrence, KS, 66045, USA
SOURCE: J. Org. Chem. (1996), 61(24), 8598-8603
CODEN: JOCEAH; ISSN: 0022-3263
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 126:7456
AB BF3-promoted reactions of 2-alkoxy-1-(N-benzoyl)-4-(N-benzenesulfonyl)-1,4-benzoquinone bisimines with .beta.-methylstyrenes yield trans-5-(N-benzoylamino)-6-alkoxy-2-aryl-3-methyl-2,3-dihydroindoles or 3-(N-benzoylamino)-6-aryl-7-methyl-4,8-dioxobicyclo[3.2.1]oct-2-enes regio- and stereoselectively. The former are produced in reactions with styrenes bearing alkoxy substituents, whereas with neutral or electron deficient styrenes, the latter are found. As applications of this new methodol. to the synthesis of biol. interesting mols., reactions of 7-methoxy-2H-chromene and 7-methoxy-N-toluenesulfonyl-1,2-dihydroquinoline with the bisimines have been developed as routes to substituted aza- and diazapterocarpanes. Syntheses of 2-arylindoles via oxidn. of the dihydroindoles are also reported.
IT 168648-88-2P 183663-98-1P 183663-99-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(Lewis acid-promoted reactions of .beta.-methylstyrenes with benzoquinone bisimines)
RN 168648-88-2 CAPLUS
CN Benzamide, N-[2-(3,4-dimethoxyphenyl)-2,3-dihydro-6-methoxy-3-methyl-1-(phenylsulfonyl)-1H-indol-5-yl]-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

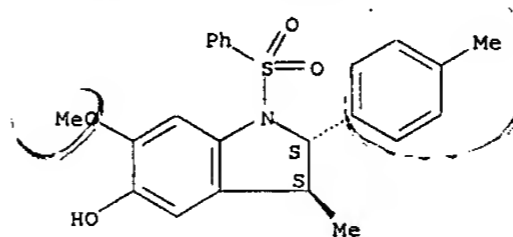


RN 183663-98-1 CAPLUS
CN Benzamide, N-[2-(3,4-dimethoxyphenyl)-2,3-dihydro-6-methoxy-3-methyl-1-(phenylsulfonyl)-1H-indol-5-yl]-, trans- (9CI) (CA INDEX NAME)



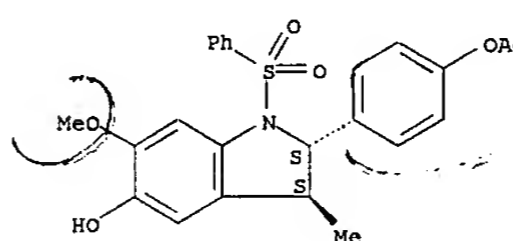
RN 185146-03-6 CAPLUS
CN 1H-Indol-5-ol, 2-(4-methylphenyl)-2,3-dihydro-6-methoxy-3-methyl-1-(phenylsulfonyl)-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

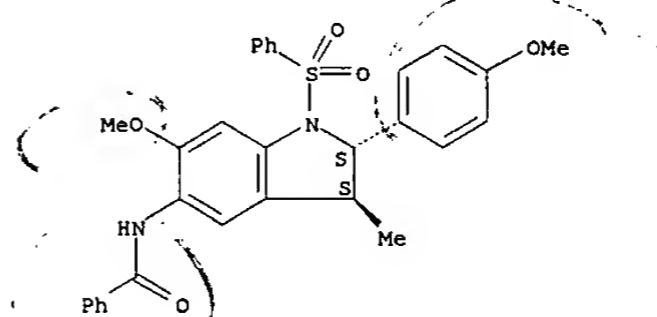


RN 185146-04-7 CAPLUS
CN 1H-Indol-5-ol, 2-(4-(acetyloxy)phenyl)-2,3-dihydro-6-methoxy-3-methyl-1-(phenylsulfonyl)-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

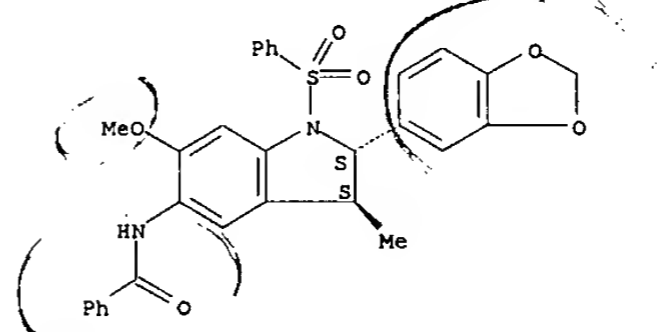


Relative stereochemistry.



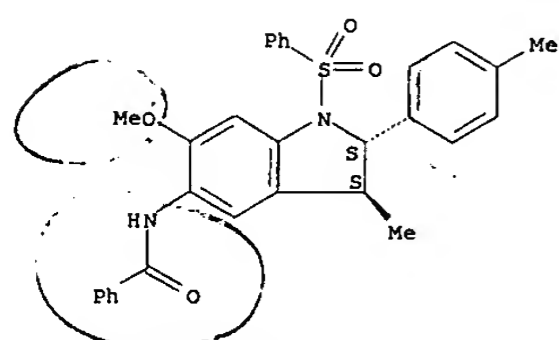
RN 183663-99-2 CAPLUS
CN Benzamide, N-[2-(1,3-benzodioxol-5-yl)-2,3-dihydro-6-methoxy-3-methyl-1-(phenylsulfonyl)-1H-indol-5-yl]-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



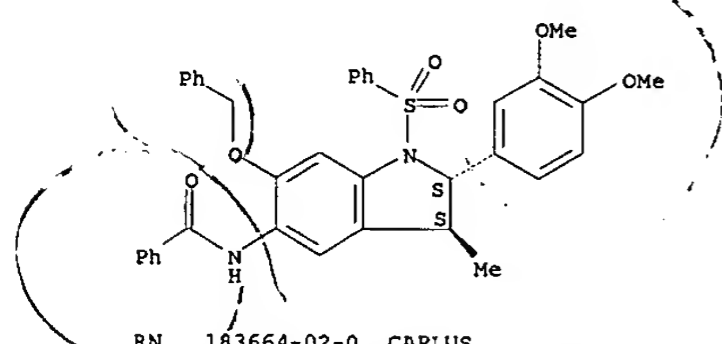
IT 183664-00-8P 183664-01-9P 183664-02-0P
183664-03-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(Lewis acid-promoted reactions of .beta.-methylstyrenes with benzoquinone bisimines)
RN 183664-00-8 CAPLUS
CN Benzamide, N-[2-(3,4-dimethoxyphenyl)-2,3-dihydro-6-methoxy-3-methyl-1-(phenylsulfonyl)-1H-indol-5-yl]-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



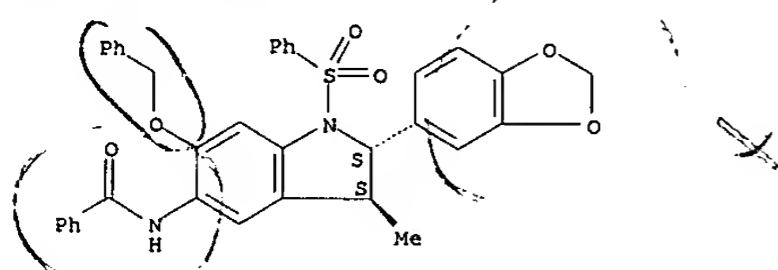
RN 183664-01-9 CAPLUS
CN Benzamide, N-[2-(3,4-dimethoxyphenyl)-2,3-dihydro-3-methyl-6-(phenylmethoxy)-1-(phenylsulfonyl)-1H-indol-5-yl]-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 183664-02-0 CAPLUS
CN Benzamide, N-[2-(1,3-benzodioxol-5-yl)-2,3-dihydro-3-methyl-6-(phenylmethoxy)-1-(phenylsulfonyl)-1H-indol-5-yl]-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 183664-03-1 CAPLUS
CN Benzamide, N-[2,3-dihydro-3-methyl-2-(4-methylphenyl)-6-(phenylmethoxy)-1-(phenylsulfonyl)-1H-indol-5-yl]-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

ACCESSION NUMBER: 1995:827737 CAPLUS
DOCUMENT NUMBER: 124:55728
TITLE: Switchable regioselectivity in Lewis acid-promoted reactions of 1,4-benzoquinone monoimides with styrenyl

systems: selective syntheses of either 2-aryl-2,3-dihydrobenzofurans or 2-aryl-2,3-dihydroindoles
AUTHOR(S): Engler, Thomas A.; Chai, Wenying; Lynch, Kenneth O., Jr.

CORPORATE SOURCE: Dep. Chem., Univ. Kansas, Lawrence, KS, 60045-0046, USA

SOURCE: Tetrahedron Lett. (1995), 36(39), 7003-6

CODEN: TELEAY; ISSN: 0040-4039

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 124:55728

AB Reactions of N-(phenylsulfonyl)-2-alkoxy-1,4-benzoquinone monoimines with electron-rich propenylbenzenes, promoted by BF₃, yield 7-alkoxy-2-aryl-3-methyl-5-[(phenylsulfonyl)amino]-2,3-dihydrobenzofurans nearly exclusively; promotion of the reactions by >2 equiv Ti(IV) gives mainly N-(phenylsulfonyl)-6-alkoxy-2-aryl-5-hydroxy-3-methyl-2,3-dihydroindoles.

IT 172091-31-5P 172091-33-7P 172091-34-8P

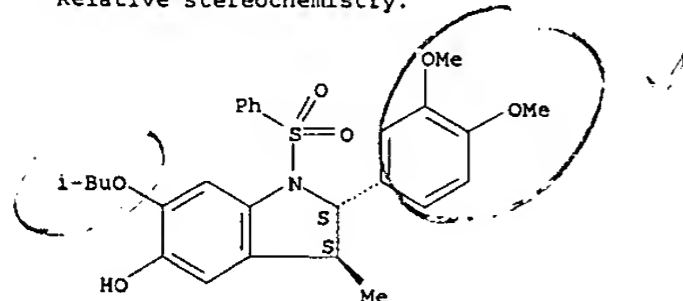
172091-35-9P 172091-36-0P 172091-37-1P

RL: SPN (Synthetic preparation); PREP (Preparation) (regioselective cyclization reaction of benzoquinone monoimides with propenylbenzenes)

RN 172091-31-5 CAPLUS

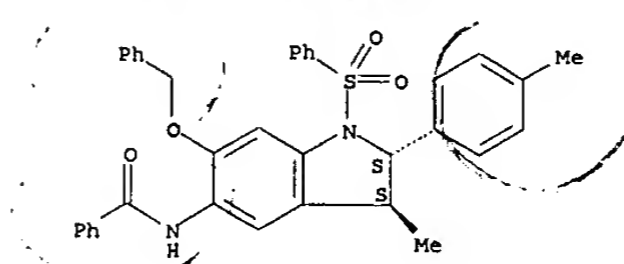
CN 1H-Indol-5-ol, 2-(3,4-dimethoxyphenyl)-2,3-dihydro-3-methyl-6-(2-methylpropoxy)-1-(phenylsulfonyl)-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



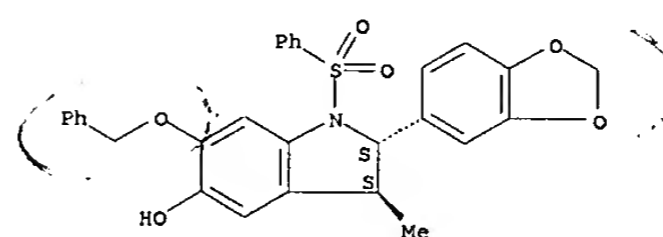
RN 172091-33-7 CAPLUS
CN 1H-Indol-5-ol, 2-(1,3-benzodioxol-5-yl)-2,3-dihydro-6-methoxy-3-methyl-1-(phenylsulfonyl)-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



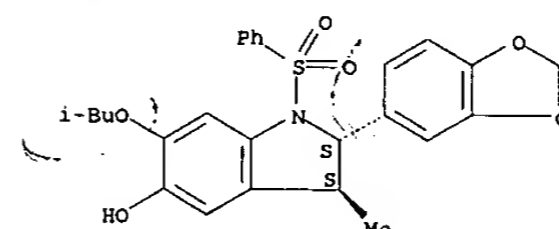
RN 172091-34-8 CAPLUS
CN 1H-Indol-5-ol, 2-(1,3-benzodioxol-5-yl)-2,3-dihydro-3-methyl-6-(phenylmethoxy)-1-(phenylsulfonyl)-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



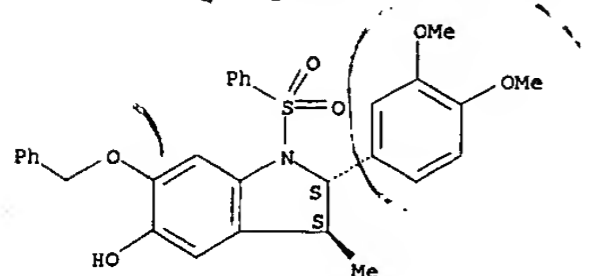
RN 172091-35-9 CAPLUS
CN 1H-Indol-5-ol, 2-(1,3-benzodioxol-5-yl)-2,3-dihydro-3-methyl-6-(2-methylpropoxy)-1-(phenylsulfonyl)-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



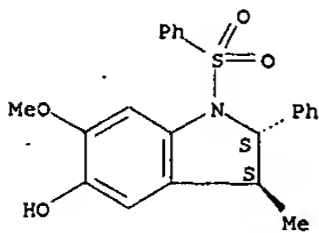
RN 172091-36-0 CAPLUS
CN 1H-Indol-5-ol, 2-(3,4-dimethoxyphenyl)-2,3-dihydro-3-methyl-6-(phenylmethoxy)-1-(phenylsulfonyl)-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 172091-37-1 CAPLUS
CN 1H-Indol-5-ol,
2,3-dihydro-6-methoxy-3-methyl-2-phenyl-1-(phenylsulfonyl)-
, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



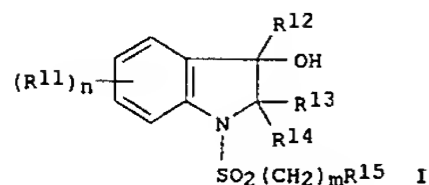
ACCESSION NUMBER: 1995:777639 CAPLUS
DOCUMENT NUMBER: 123:198616
TITLE: Preparation of N-sulfonylindoline derivatives with
affinity for vasopressin and oxytocin receptors
INVENTOR(S): Wagnon, Jean; de Cointet, Paul; Nisato, Dino;
Plouzane, Claude; Sereadeil-Legal, Claudine;
Tonnerre, Bernard
PATENT ASSIGNEE(S): Elf Sanofi, Fr.
SOURCE: U.S., 50 pp. Cont.-in-part of U.S. Ser. No.737,655,
abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5338755	A	19940816	US 1992-923839	19920803
FR 2665441	A1	19920207	FR 1990-9778	19900731
FR 2665441	B1	19921204		
IL 114934	A1	19960804	IL 1991-114934	19910730
HU 219351	B	20010328	HU 1971-99045	19910731
FR 2679903	A1	19930205	FR 1991-9908	19910802
FR 2679903	B1	19931203		
AU 9224758	A1	19930302	AU 1992-24758	19920731
AU 658664	B2	19950427		
BR 9205336	A	19931116	BR 1992-5336	19920731
JP 06501960	T2	19940303	JP 1993-503337	19920731
RU 2104268	C1	19980210	RU 1993-5168	19920731
IL 117592	A1	19990411	IL 1992-117592	19920731
CZ 288173	B6	20010516	CZ 1993-682	19920731
NO 9301262	A	19930526	NO 1993-1262	19930401
NO 180047	B	19961028		
NO 180047	C	19970205		
US 5397801	A	19950314	US 1994-240360	19940510
US 5481005	A	19960102	US 1994-348150	19941128
US 5578633	A	19961126	US 1995-458614	19950602
FI 9800175	A	19980127	FI 1998-175	19980127

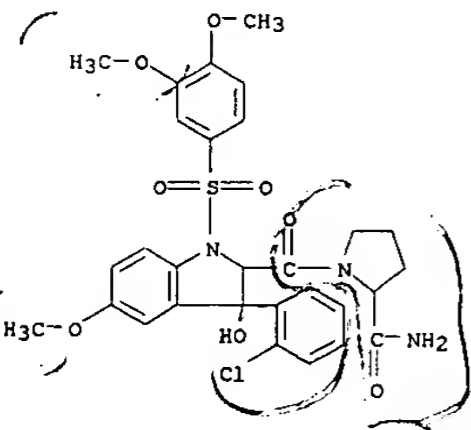
PRIORITY APPLN. INFO.:

FR 1990-9778	A	19900731
US 1991-737655	B2	19910730
FR 1991-9908	A	19910802
IL 1991-99012	A3	19910730
HU 1991-2552	A	19910731
CS 1993-682	A	19920731
IL 1992-102703	A3	19920731
WO 1992-FR758	A	19920731
US 1992-923839	A3	19920803
FI 1993-1476	A	19930401
US 1993-923839	A3	19930803
US 1994-240360	A3	19940510
US 1994-348150	A3	19941128

OTHER SOURCE(S): MARPAT 123:198616
GI

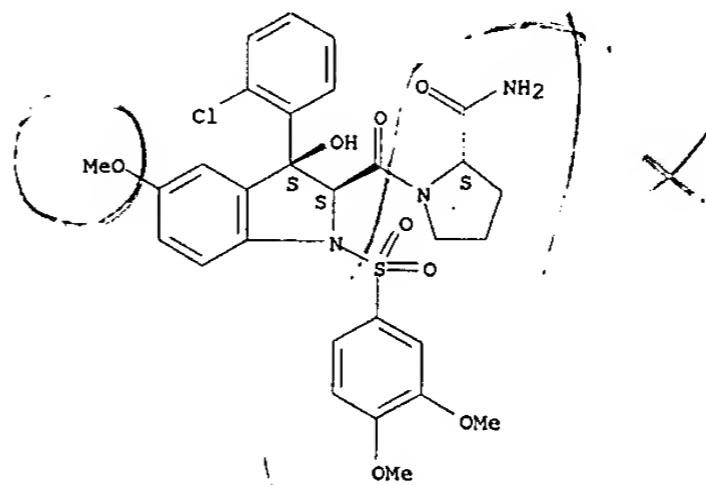


AB Title compds. I (R'1 = halo, Cl-4 alkyl, HO, Cl-4 alkoxy, PhCH2O, NC, F3C,
O2N, H2N; R'2 = Cl-6 alkyl, C3-7 cycloalkyl, C5-7 cycloalkylene, (substituted) Ph, etc.; R'3 = H; R'4 = H2NCO, R'6R'7NCO wherein R'6R'7N = satd. 5-membered substituted N-heterocyclyl; R'5 = Cl-4 alkyl, 1-, 2-naphthyl, (substituted) Ph, etc.; n = m = 0-2) or a salt thereof, are prepd. CH2BrCONMe2 (prepn. given) and 5-chloro-2-(tosylamino)phenyl cyclohexyl ketone were reacted to give 2-[N-tosyl-N-(dimethylcarbamoylmethyl)amino]-5-(chlorophenyl) cyclohexyl ketone which in THF was treated with Li diisopropylamide to give after workup trans-I (R'1n = 5-Cl, R'2 = cyclohexyl, R'3 = H, R'4 = Me2NCO, R'5 = 4-MeC6H4, m = 0). The IC50 of I affinity for oxytocin receptors was 10-5-10-8M.
IT 149152-02-3P 167400-87-5P 167400-88-6P
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of N-sulfonylindoline derivs. with affinity for vasopressin and oxytocin receptors)
RN 149152-02-3 CAPLUS
CN 2-Pyrrolidinecarboxamide, 1-[[3-(2-chlorophenyl)-1-[(3,4-dimethoxyphenyl)sulfonyl]-2,3-dihydro-3-hydroxy-5-methoxy-1H-indol-2-yl]carbonyl]-, (9CI) (CA INDEX NAME)



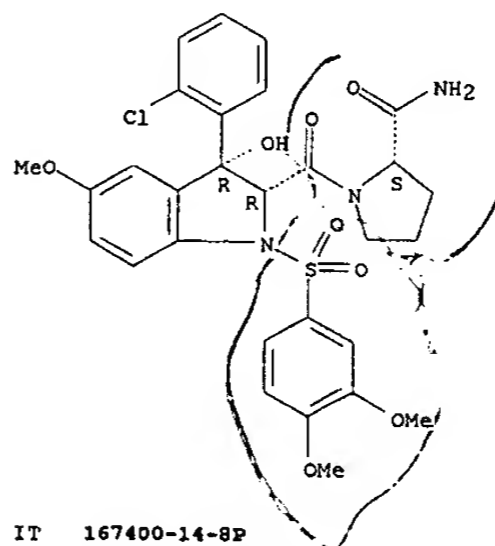
RN 167400-87-5 CAPLUS
CN 2-Pyrrolidinecarboxamide, 1-[[3-(2-chlorophenyl)-1-[(3,4-dimethoxyphenyl)sulfonyl]-2,3-dihydro-3-hydroxy-5-methoxy-1H-indol-2-yl]carbonyl]-, [2S-[2.alpha.(R*),3.alpha.]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 167400-88-6 CAPLUS
CN 2-Pyrrolidinecarboxamide, 1-[[3-(2-chlorophenyl)-1-[(3,4-dimethoxyphenyl)sulfonyl]-2,3-dihydro-3-hydroxy-5-methoxy-1H-indol-2-yl]carbonyl]-, [2R-[2.alpha.(S*),3.alpha.]]- (9CI) (CA INDEX NAME)

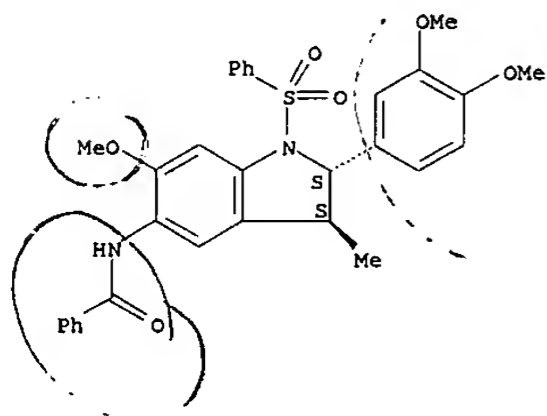
Absolute stereochemistry.



IT 167400-14-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of N-sulfonylindoline derivs. with affinity for vasopressin and oxytocin receptors)
RN 167400-14-8 CAPLUS

L9 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1995:515783 CAPLUS
 DOCUMENT NUMBER: 123:227354
 TITLE: Cycloaddition reactions of 1,4-benzoquinone, mono- and bisimides with styrenyl systems: new syntheses of nitrogen substituted azapterocarpanes, pterocarpanes, 2-aryl-2,3-dihydroindoles and -dihydrobenzofurans
 AUTHOR(S): Engler, Thomas A.; Lynch, Kenneth O., Jr.; Chai, Wenying; Meduna, Steven P.
 CORPORATE SOURCE: Dep. Chem., Univ. Kansas, Lawrence, KS, 66045-0046, USA
 SOURCE: Tetrahedron Lett. (1995), 36(16), 2713-16
 CODEN: TELEAY; ISSN: 0040-4039
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Lewis acid-promoted reactions of 1,4-benzoquinones and 1,4-benzoquinone bis- and monoimides with various 2H-chromenes, N-tosyl-1,2-dihydroquinolines and styrenes regio- and stereoselectively produce the title compds. in good yields.
 IT 168648-88-2P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (cycloaddn. reactions of 1,4-benzoquinone mono- and bisimides with styrenyl systems)
 RN 168648-88-2 CAPLUS
 CN Benzamide, N-[2-(3,4-dimethoxyphenyl)-2,3-dihydro-6-methoxy-3-methyl-1-(phenylsulfonyl)-1H-indol-5-yl]-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L9 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1993:539091 CAPLUS
 DOCUMENT NUMBER: 119:139091
 TITLE: Preparation of 4-phenylsulfonyl-3-hydroxyindoline-2-carboxamides as oxytocin and vasopressin antagonists
 INVENTOR(S): Wagnon, Jean; Serradeil-Legal, Claudine; Tonnerre, Bernard; Plouzane, Claude; Nisato, Dino
 PATENT ASSIGNEE(S): Elf Sanofi, Fr.
 SOURCE: Eur. Pat. Appl., 71 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

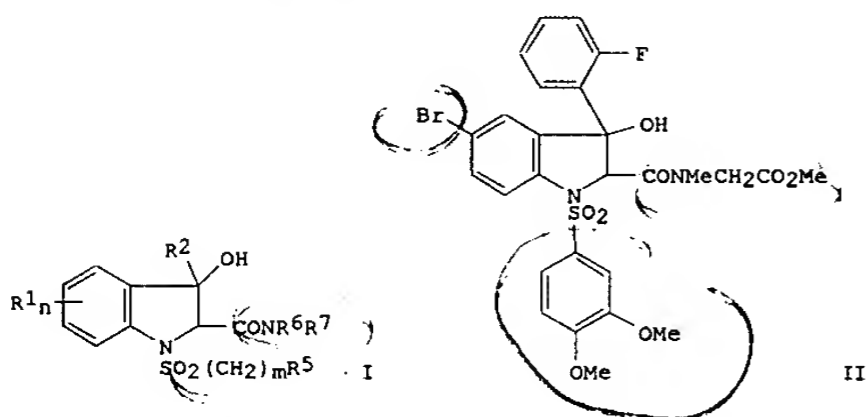
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 526348	A1	19930203	EP 1992-402213	19920803
EP 526348	B1	19980218		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
FR 2679903	A1	19930205	FR 1991-9908	19910802
FR 2679903	B1	19931203		
CA 2093221	AA	19930203	CA 1992-2093221	19920731
CA 2093221	C	19980922		
WO 9303013	A1	19930218	WO 1992-FR758	19920731
W: AU, BR, CA, CS, FI, HU, JP, KR, NO, RU				
AU 9224758	A1	19930302	AU 1992-24758	19920731
AU 658664	B2	19950427		
ZA 9205781	A	19930302	ZA 1992-5781	19920731
BR 9205336	A	19931116	BR 1992-5336	19920731
JP 06501960	T2	19940303	JP 1993-503337	19920731
LT 3064	B	19941025	LT 1992-114	19920731
LV 10091	B	19950420	LV 1992-87	19920731
HU 68927	A2	19950828	HU 1993-951	19920731
IL 102703	A1	19970318	IL 1992-102703	19920731
JP 2633085	B2	19970723	JP 1992-503337	19920731
RU 2104268	C1	19980210	RU 1993-5168	19920731
IL 117592	A1	19990411	IL 1992-117592	19920731
CZ 288173	B6	20010516	CZ 1993-682	19920731
AT 163289	E	19980315	AT 1992-402213	19920803
ES 2117038	T3	19980801	ES 1992-402213	19920803
NO 9301262	A	19930526	NO 1993-1262	19930401
NO 180047	B	19961028		
NO 180047	C	19970205		
US 5481005	A	19960102	US 1994-348150	19941128
AU 9511541	A1	19950504	AU 1995-11541	19950203
AU 691223	B2	19980514		
FI 9800175	A	19980127	FI 1998-175	19980127

PRIORITY APPLN. INFO.:

FR 1991-9908	A	19910802
FR 1990-9778	A	19900731
US 1991-737655	B2	19910730
CS 1993-682	A	19920731
IL 1992-102703	A3	19920731
WO 1992-FR758	A	19920731
FI 1993-1476	A	19930401
US 1993-923839	A3	19930803
US 1994-240360	A3	19940510

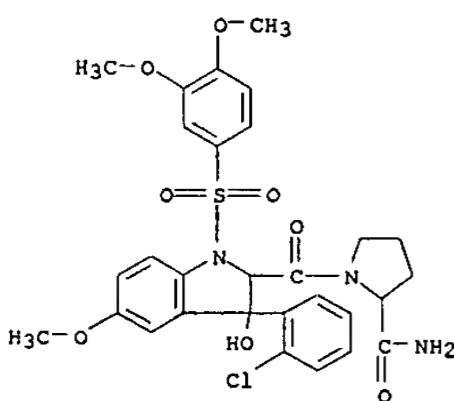
OTHER SOURCE(S): MARPAT 119:139091
 GI

L9 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2002 ACS (Continued)



AB Title compds. [I; R1 = OH, halo, alkyl, alkoxy, etc.; R2 = (cyclo)alkyl, (nitro)phenyl, etc.; R5 = alkyl, (nitro)phenyl, naphthyl, etc.; R6 = alkyl; R6, R7 = 4-piperidinyl, 3-azetidiny, etc.; NR6R7 = (thio)morpholino, thiazolidino, piperazino, etc.; m, n = 0-2] were prepd. Thus, 2-amino-5-bromo-2'-fluorobenzophenone was amidated by 3,4-(MeO)2C6H3SO2Cl and the product N-alkylated by BrCH2CONMeCH2CO2Me to give, after cyclization of the product, title compd. II. I had IC50 of 10-9, and 10-5 to 10-8 M, against vasopressin and oxytocin binding, resp., in vitro.

IT 149152-02-3P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of, as oxytocin and vasopressin antagonist)
 RN 149152-02-3 CAPLUS
 CN 2-Pyrrolidinecarboxamide, 1-[[3-(2-chlorophenyl)-1-[[3,4-dimethoxyphenyl)sulfonyl]-2,3-dihydro-3-hydroxy-5-methoxy-1H-indol-2-yl]carbonyl]- (9CI) (CA INDEX NAME)



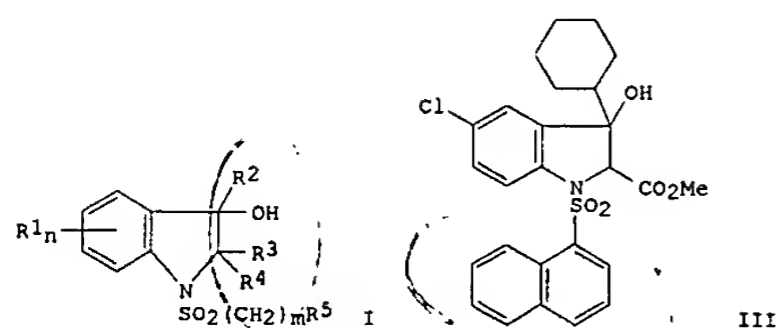
L9 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1992:214341 CAPLUS
 DOCUMENT NUMBER: 116:214341
 TITLE: Preparation of 1-arylsulfonyl-3-hydroxyindoline-2-carboxylates and analogs as vasopressin and oxytocin receptor ligands
 INVENTOR(S): Wagnon, Jean; De Cointet, Paul; Nisato, Dino; Plouzane, Claude; Serradeil-Legal, Claudine
 PATENT ASSIGNEE(S): SANOFI S. A., Fr.
 SOURCE: Eur. Pat. Appl., 44 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 469984	A2	19920205	EP 1991-402123	19910730
EP 469984	A3	19920311		
EP 469984	B1	19951018		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
FR 2665441	A1	19920207	FR 1990-9778	19900731
FR 2665441	B1	19921204		
FI 9103614	A	19920201	FI 1991-3614	19910729
FI 97224	B	19960731		
FI 97224	C	19961111		
CA 2048139	AA	19920201	CA 1991-2048139	19910730
NO 9102970	A	19920203	NO 1991-2970	19910730
NO 175254	B	19940613		
NO 175254	C	19940921		
AT 129236	E	19951115	AT 1991-402123	19910730
ES 2080922	T3	19960216	ES 1991-402123	19910730
IL 99012	A1	19960723	IL 1991-99012	19910730
IL 114934	A1	19960804	IL 1991-114934	19910730
AU 9181478	A1	19920206	AU 1991-81478	19910731
AU 645585	B2	19940120		
ZA 9106031	A	19920429	ZA 1991-6031	19910731
HU 59669	A2	19920629	HU 1991-2552	19910731
JP 04234361	A2	19920824	JP 1991-192078	19910731
JP 3195381	B2	20010806		
HU 219351	B	20010328		
AU 9350473	A1	19940113	AU 1993-50473	19910731
AU 664491	B2	19951116		
US 5481005	A	19960102	US 1994-348150	19941128

PRIORITY APPLN. INFO.:

FR 1990-9778	A	19900731
IL 1991-99012	A3	19910730
US 1991-737655	B2	19910730
HU 1991-2552	A	19910731
FR 1991-9908	A	19910802
US 1993-923839	A3	19930803
US 1994-240360	A3	19940510

OTHER SOURCE(S): MARPAT 116:214341
 GI



AB Title compds. [I; R_1 = halo, alkyl, alkoxy, PhCH_2O , etc.; R_2 = (cyclo)alkyl, cycloalkenyl, (substituted) Ph; R_3 = H, alkyl; R_4 = CO_2H , alkoxycarbonyl, $\text{CO}_2\text{CH}_2\text{Ph}$, (substituted) CONH_2 ; R_5 = alkyl, naphthyl, (substituted) Ph, etc.; m, n = 0-2] were prepd. Thus, 4,2-Cl(R_2CO) $\text{C}_6\text{H}_3\text{R}$ (R_2 = cyclohexyl) (II; R = NH_2) was condensed with 1-naphthylsulfonyl chloride and the product condensed with $\text{BrCH}_2\text{CO}_2\text{Et}$ to give II (R = $\text{N}(\text{CH}_2\text{CO}_2\text{Et})\text{SO}_2\text{R}_5$; R_5 = 1-naphthyl) which was treated with NaOMe/MeOH to give title compd. III (cis and trans isomers). I had IC_{50} of .apprx. 10^{-7}M

against oxytocin binding with a membrane prepn. from pregnant rats.

IT 140915-93-1P

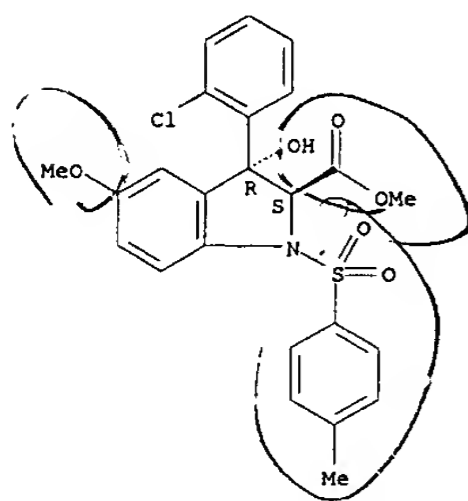
RL: SPN (Synthetic preparation); PREP (Preparation)

(prepn. of, as vasopressin and oxytocin receptor ligand)

RN 140915-93-1 CAPLUS

CN 1H-Indole-2-carboxylic acid, 3-(2-chlorophenyl)-2,3-dihydro-3-hydroxy-5-methoxy-1-[(4-methylphenyl)sulfonyl]-, methyl ester, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



=> fil reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	37.49	245.62
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-4.96	-4.96

FILE 'REGISTRY' ENTERED AT 08:05:26 ON 10 JUN 2002
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 7 JUN 2002 HIGHEST RN 427375-75-5
 DICTIONARY FILE UPDATES: 7 JUN 2002 HIGHEST RN 427375-75-5

TSCA INFORMATION NOW CURRENT THROUGH January 7, 2002

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

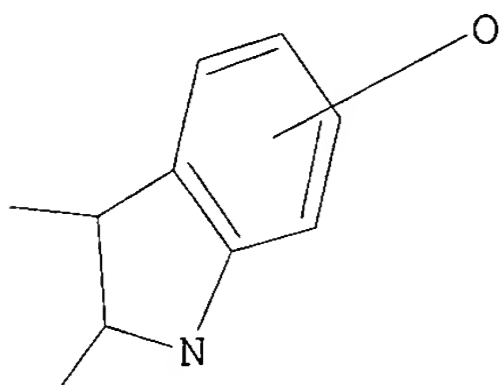
Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
 for more information. See STNote 27, Searching Properties in the CAS
 Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>
 Uploading 10054462.str

L10 STRUCTURE UPLOADED

=> d
 L10 HAS NO ANSWERS
 L10 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l10 subset=l3 full
 FULL SUBSET SEARCH INITIATED 08:06:03 FILE 'REGISTRY'
 FULL SUBSET SCREEN SEARCH COMPLETED - 3411 TO ITERATE

100.0% PROCESSED 3411 ITERATIONS 353 ANSWERS
 SEARCH TIME: 00.00.01

L11 353 SEA SUB=L3 SSS FUL L10

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	33.43	279.05
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.96

FILE 'CAPLUS' ENTERED AT 08:06:06 ON 10 JUN 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 10 Jun 2002 VOL 136 ISS 24
FILE LAST UPDATED: 7 Jun 2002 (20020607/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s l11

L12 120 L11

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.79	279.84
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.96

FILE 'REGISTRY' ENTERED AT 08:07:07 ON 10 JUN 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 7 JUN 2002 HIGHEST RN 427375-75-5
DICTIONARY FILE UPDATES: 7 JUN 2002 HIGHEST RN 427375-75-5

TSCA INFORMATION NOW CURRENT THROUGH January 7, 2002

Please note that search-term pricing does apply when

conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

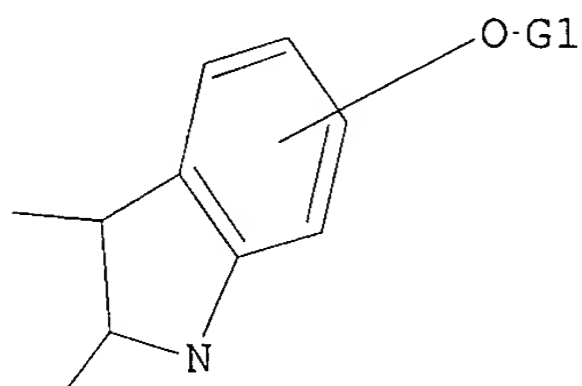
Uploading 10054462.str

L13 STRUCTURE UPLOADED

=> d

L13 HAS NO ANSWERS

L13 STR



G1 H, Me

Structure attributes must be viewed using STN Express query preparation.

=> s l13 subset=l11 full

FULL SUBSET SEARCH INITIATED 08:07:51 FILE 'REGISTRY'

FULL SUBSET SCREEN SEARCH COMPLETED - 353 TO ITERATE

100.0% PROCESSED 353 ITERATIONS

288 ANSWERS

SEARCH TIME: 00.00.01

L14 288 SEA SUB=L11 SSS FUL L13

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	33.43	313.27
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.96

FILE 'CAPLUS' ENTERED AT 08:07:55 ON 10 JUN 2002

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December

26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 10 Jun 2002 VOL 136 ISS 24
FILE LAST UPDATED: 7 Jun 2002 (20020607/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s l14
L15 110 L14

=> s l14/p
L16 81 L14/P

=> log y		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	1.19	314.46
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-4.96

STN INTERNATIONAL LOGOFF AT 08:09:57 ON 10 JUN 2002